



Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
February 23, 2012

Hunters Point Shipyard, BCT, December 2, 2010



Overview



Radiological Project Work Overview

- Current Project Map
- SS/SD Removal and Building Survey Update
 - Crisp Rd.
 - Parcel C
 - Parcel E 500-Series
 - Parcel D-1
- Status of Radiological RACRs
- IR 7/18 Update



2012 Radiological Projects





Crisp Road/Parcel E Building and Site Surveys



Building 414

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

Site 701

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

Site 704

- CDPH collected confirmation samples on October 25. Awaiting free release determination following lab analysis

IR-04 & Site 807

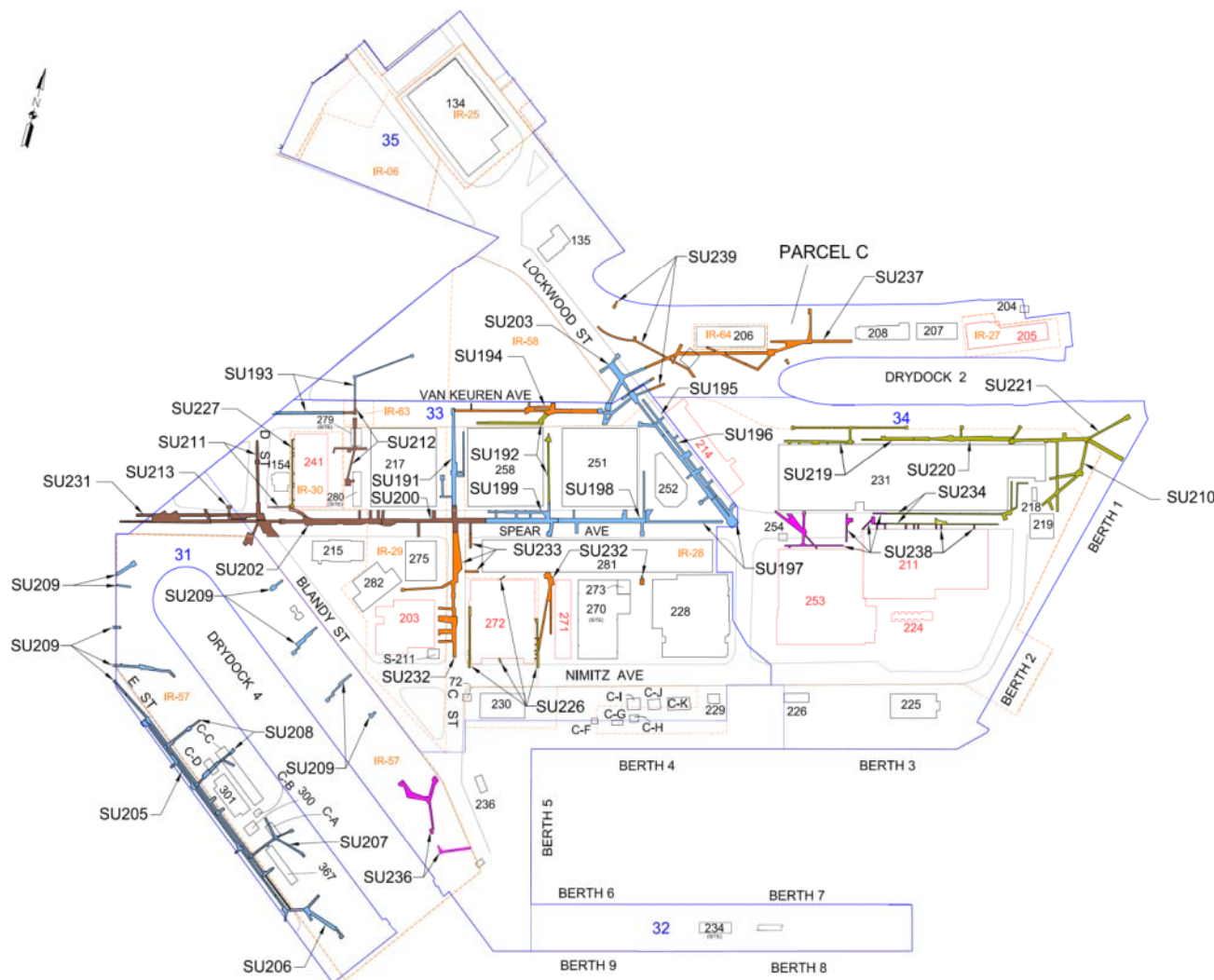
- Final submitted February 10. Confirmation samples to be requested by CDPH.

UC-3 (Crisp Rd.)
Radiological RACR

- Final anticipated February 2012



Parcel C Storm Drain & Sewer Removals



LEGEND

SU 191 - SURVEY UNIT (SU)

34 - WORK AREA BOUNDARY AND NUMBER

IR-27 - IR BOUNDARY AND NUMBER

140 - IMPACTED BUILDING
BUILDING NUMBER

142 (OFFITE) - IMPACTED BUILDING
FORMER BUILDING LOCATION

128 - NON-IMPACTED BUILDING
BUILDING NUMBER

ACTIVE TRENCH UNITS
(QTY = 2)

TRENCH UNITS THAT HAVE
PASSED SYSTEMATIC
SAMPLING BUT WAITING FOR
OFFSITE
(QTY = 5)

TRENCH UNITS THAT HAVE
PASSED OFFSITE AND
SYSTEMATIC SAMPLING BUT
WAITING FOR BACKFILL
APPROVAL
(QTY = 0)

APPROVED FOR BACKFILL
(QTY = 8)

BACKFILLED/PAVED
(QTY = 13)

CURRENTLY
BACKFILLING/PERFORMING
COMPACTION
(QTY = 6)



Parcel C Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel C on January 4, 2011
 - Excavated soil and pipe removal through February 10, 2012:
 - 21,551 linear feet of SS/SD lines removed
 - 60% of the total 34,866 lf of Parcel C removed to date
 - 35,967 cubic yards excavated
 - 13 of 34 active Survey Units have been restored/repaved



Site Preparation Activities at North Pier



Removal of Railroad Tracks and Ties





Backfill of SU 219 North of Building 231





Parcel C Building and Site Surveys



Building 214

- Final FSS submitted November 2. No confirmation survey. Awaiting free release letter.

Building 271

- Final FSS and RTCs under RASO review

North Pier

- Surveys ongoing, scan survey complete

Building 272

- Final FSS and RTCs in process. Awaiting CDPH comments.

Buildings 203

- Final FSS and RTCs in process. Awaiting CDPH comments.

Building 241

- Final FSS and RTCs in process. Awaiting CDPH comments.



Parcel C & E Buildings/Sites Status

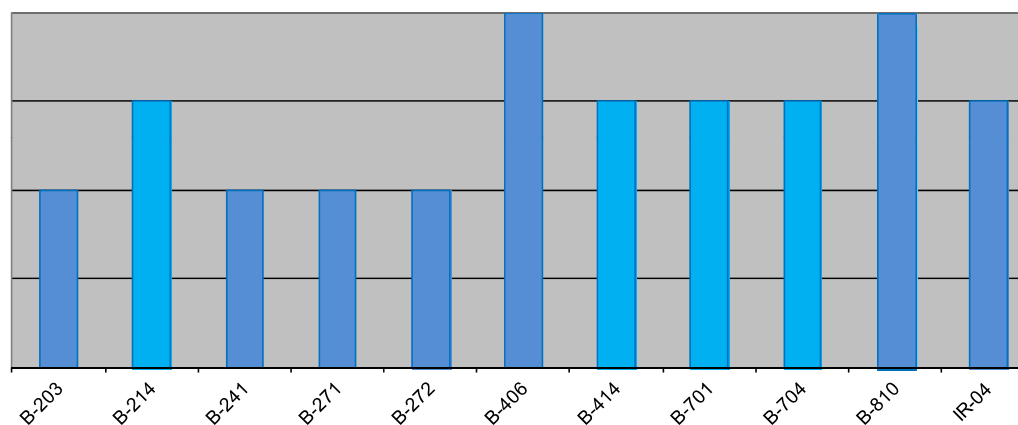


Free-Released

Final

Draft

Internal Draft
(Data under review)



Waiting for concurrence for
Free-Release determination



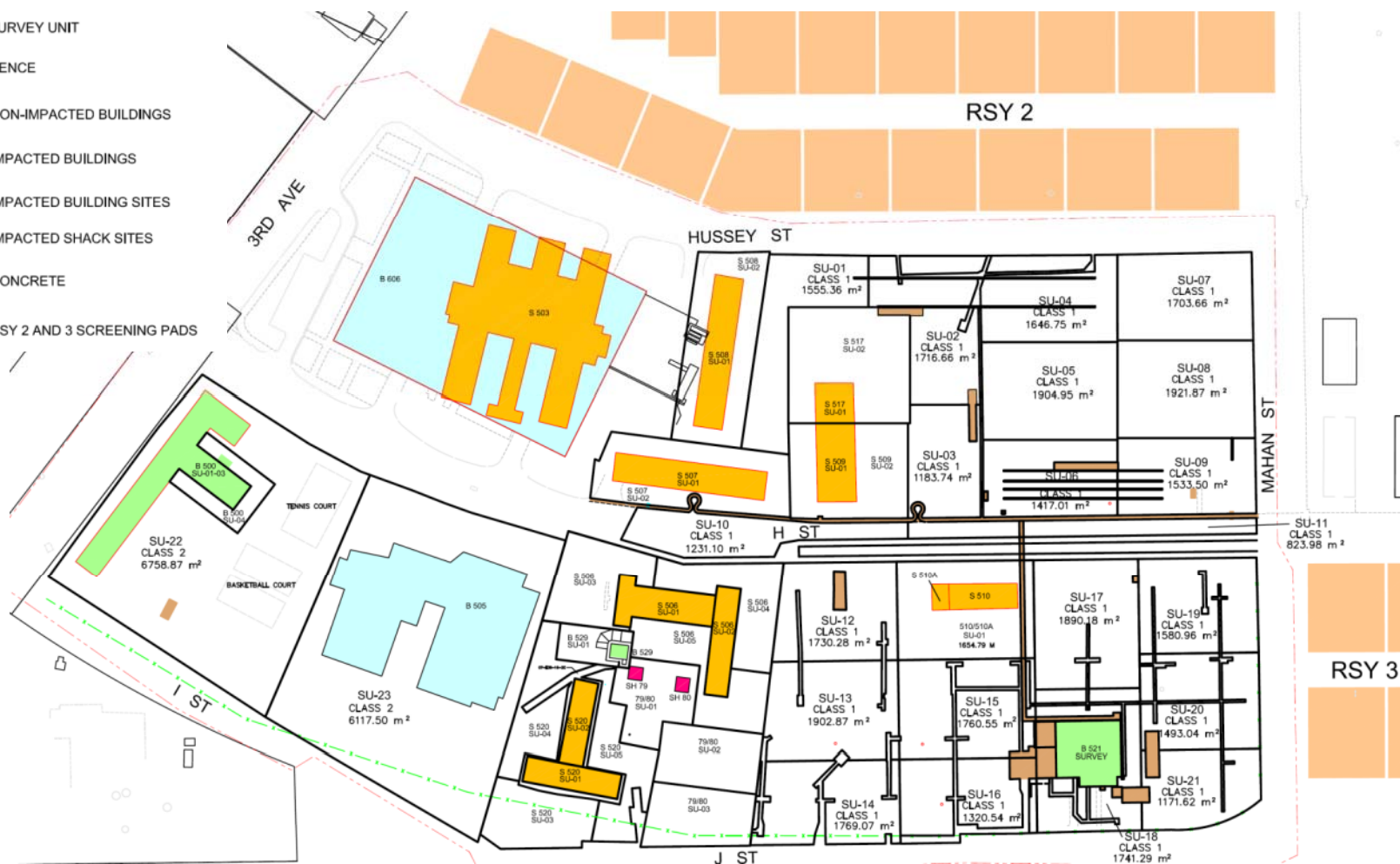


Impacted Building and Sites Within Parcel E 500 Series Area



LEGEND

- SURVEY UNIT
- FENCE
- B- NON-IMPACTED BUILDINGS
- B- IMPACTED BUILDINGS
- S- IMPACTED BUILDING SITES
- S- IMPACTED SHACK SITES
- CONCRETE
- RSY 2 AND 3 SCREENING PADS





Parcel E 500 Series Building / Site Surveys



- Field Work
 - Building 500: Completed surveys and SS/SD line removal in crawl space. FSS under development
 - Building 503 site: Completed survey and soil sampling, awaiting off-site analytical results
 - Building 509 site: Completed survey and soil sampling, awaiting off-site analytical results
 - Building 510/510A site: Completed scanning and sampling activities
 - Building 521 site: Completed scanning and sampling activities
 - Building 529 site: Completed scanning and sampling activities



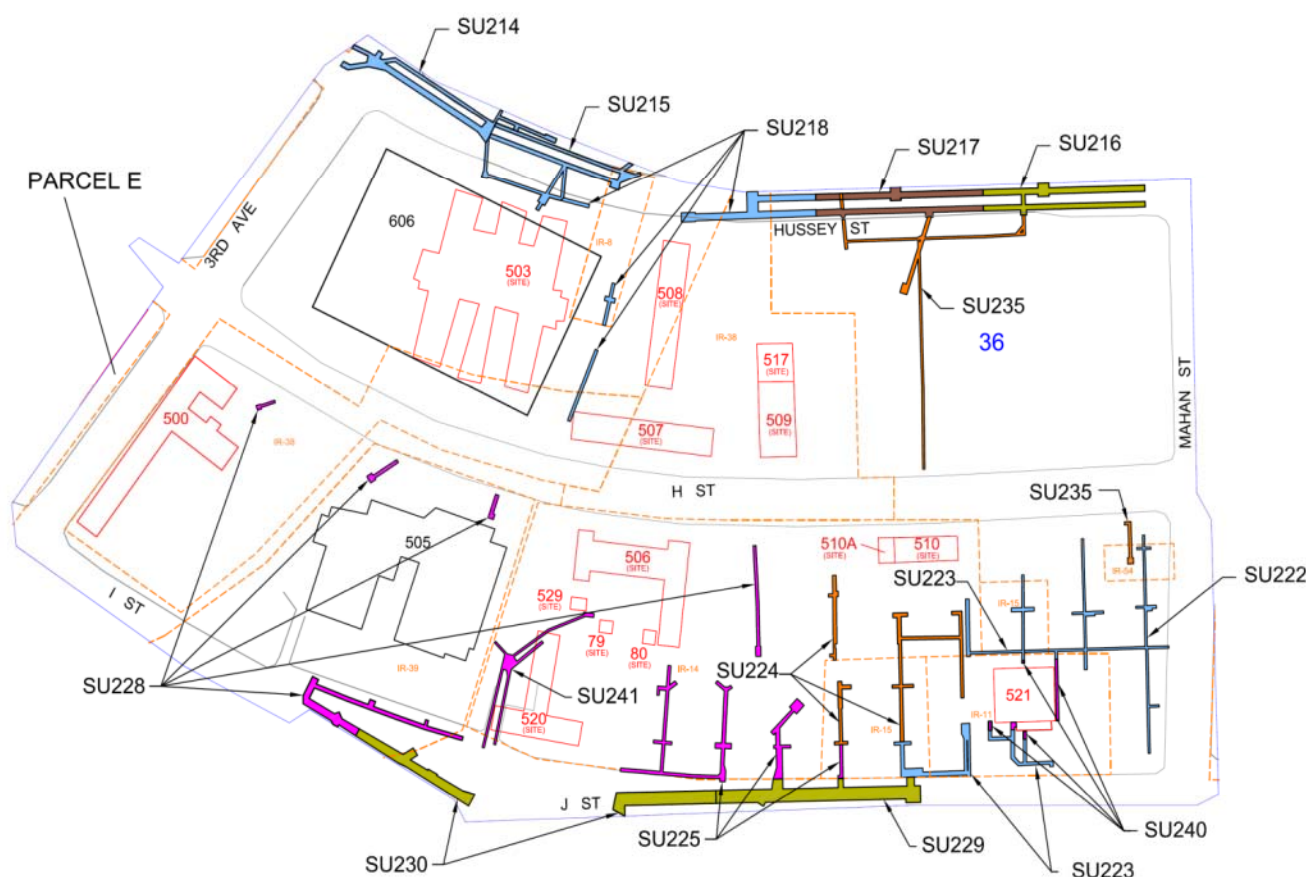
Parcel E 500 Series Building / Site Surveys



- Field Work (continued)
 - Building 507 Site: Continued the removal of asphalt from the Former
 - Building 520 Site: 60% complete scanning and sampling
 - Shacks 79/80 Site: 35% complete scanning and sampling
 - Building 506 Site: 80% complete scanning and sampling
 - Building 517 Site: 50% complete scanning and sampling
 - 500 Series Area: 25% completed scanning and sampling



Parcel E Storm Drain & Sewer Removals



LEGEND

- SU 191 - SURVEY UNIT (SU)
- 36 - WORK AREA BOUNDARY AND NUMBER
- IR-27 - IR BOUNDARY AND NUMBER
- 140 - IMPACTED BUILDING BUILDING NUMBER
- 142 (SITE) - IMPACTED BUILDING FORMER BUILDING LOCATION
- 128 - NON-IMPACTED BUILDING BUILDING NUMBER
- ACTIVE SURVEY UNITS (QTY = 4)
- SURVEY UNITS THAT HAVE PASSED SYSTEMATIC SAMPLING BUT WAITING FOR OFFSITE (QTY = 2)
- SURVEY UNITS THAT HAVE PASSED OFFSITE AND SYSTEMATIC SAMPLING BUT WAITING FOR BACKFILL APPROVAL (QTY = 0)
- APPROVED FOR BACKFILL (QTY = 3)
- BACKFILLED/PAVED (QTY = 5)
- CURRENTLY BACKFILLING/PERFORMING COMPACTION (QTY = 1)



Parcel E 500 Series Storm Drain & Sewer Removals



- SS/SD line removal commenced in Parcel E 500 Series on July 12, 2011
 - Excavated soil and pipe removal through February 10, 2012:
 - 9,132 linear feet of SS/SD lines removed (500 Series only)
 - 28% of the 58,000 Parcel E SS/SD lines removed to date
 - 19,500 cubic yards excavated
 - 5 of 15 Active survey units have been restored



Parcel D-1 Current Field Work Status



- Gun Mole Pier
 - Survey unit analytical data received for 74 of 74 SUs.
 - 53 survey units FSS data below project release criteria
 - Awaiting off-site sample results or actively remediating in 21 SUs
 - Currently remediating 4 impacted SUs for Cesium -137.
 - Found commodity in SU 40, remediated with post remediation and systematic screening samples results below release criteria
 - Further investigation to follow up on a high reading on final gamma walk over survey in SU 11
 - Completed asphalt crushing for 17,600 net tons of non impacted asphalt
 - Developing plan for survey of concrete foundations and other concrete structures



Parcel D-1 Current Field Work Status



- South Pier
 - Completed survey and sampling for 14 of 14 Survey Units
 - 13 survey units FSS data below project release criteria
 - Further investigation to follow up on high gamma walk over readings in SU-11
- Building 274
 - Developing internal draft FSS Report
 - Sewer line removal to commence next week
- Building 383 Area
 - Completed survey & sampling; no detections above the action levels.
 - Plan to remove remaining footer foundation, survey and sample when concrete work is complete



Parcel D-1 Current Field Work Status



- Building 313,313A & 322 sites - Surveyed and Sampled
 - Remediation of impacted SUs complete and final systematic samples analysis below the release criteria
 - Developing internal draft FSS Report
- Storm Drain and Sanitary Sewer Removal
 - 99% complete (1 Survey Unit remains to excavate)
 - Last SU scheduled to be excavated, surveyed and sampled in February
 - Completed trench backfill on 23 SUs (68% overall complete)
 - Continue to remediate SU 265 and 254 for Radium-226
 - Screening data for all remaining 4 excavated SUs is below release criteria
 - Preparing 3 Draft SUPR Packages for submittal to Regulators
 - One package scheduled for submittal February 22
 - Two packages scheduled in March



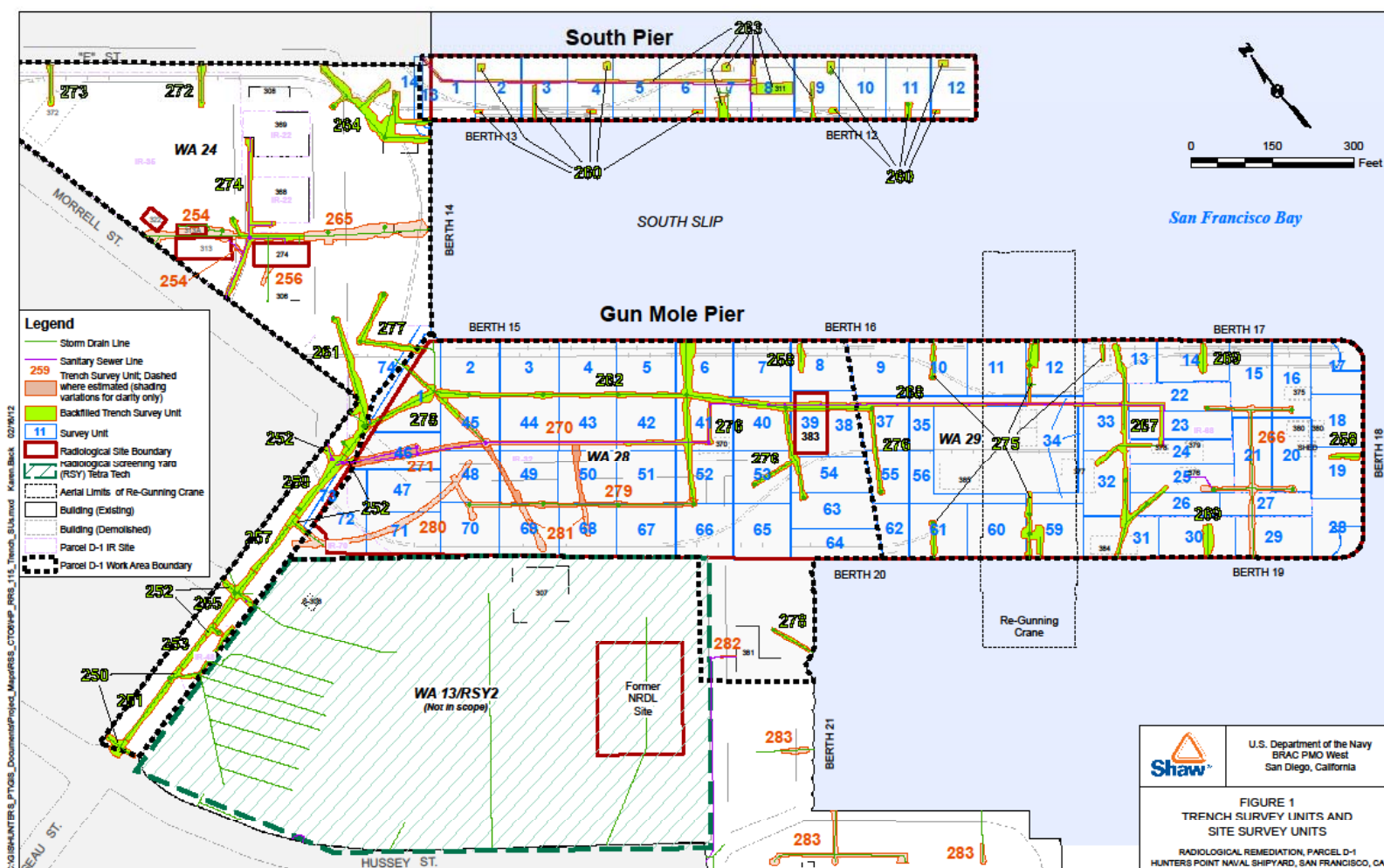
Status of Radiological RACRs



- Draft **Parcel B** Rad RACR issued October 2011
 - Received CDPH "no further comments" memo on Draft Parcel B RACR
 - Received B-140 Discharge Channel free release letter
 - Awaiting acceptance of Building 140 Technical Memorandum (Infrastructure)
- Draft **Parcel UC-3** Rad RACR issued November 2011
 - Final Parcel UC-3 Rad RACR & RTC's to be issued February 2012
- Final **Parcel D-2** Rad RACR (Rev.2) issued December 2011
 - RACR was revised to add updated SUPRs
 - Received DTSC and EPA concurrence
 - Awaiting free release letter from CDPH
- Final **Parcel G** Rad RACR was issued December 2011
 - Received DTSC concurrence; awaiting free release letter from EPA, CDPH
 - Received CDPH "no further comments" memo on Draft Parcel G RACR
- Final **Parcel UC-1&2** Rad RACR
 - Free Released



Parcel D-1 Overview





IR 7/18 Modeling Update



- Members of BRAC, CDPH, DTSC, and the City held a conference call on February 9 to discuss comments received by CDPH on December 9, 2011.
 - CDPH confirmed that additional sampling is not required at this time
 - Determined that the Memo required a revision to improve the language that summarizes all data, history, and information known about the site.
- BRAC to work with CDPH's Jeff Wong to identify specific sections requiring revision.



Comments, Questions, Concerns ???